

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-3363: Anti-Vimentin (Mesenchymal Cell Marker) Monoclonal Antibody(Clone: VM452)-CF488

Clonality: Monoclonal Clone Name: VM452 Application: FACS.IF Reactivity: Human Gene: VIM Gene ID: 7431 **Uniprot ID:** P08670 **Alternative Name:** VIM

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant human vimentin protein

## **Description**

This MAb reacts with a 58kDa protein identified as vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP's) such as desmin, keratin, neurofilament, and glial fibrillary acid protein. Anti-vimentin alone is of limited value as a diagnostic tool; however, when used in panels with other antibodies, it is useful for the subclassification of a given tumor. Expression of vimentin, when used in conjunction with anti-keratin, is helpful when distinguishing melanomas from undifferentiated carcinomas and large cell lymphomas. All melanomas and Schwannomas react strongly with anti-vimentin. It labels a variety of mesenchymal cells, including melanocytes, lymphocytes, endothelial cells, and fibroblasts. Non-reactivity of anti-vimentin is often considered more useful than its positive reactivity, since there are a few tumors that do not contain vimentin, e.g. hepatoma and seminoma. Anti-vimentin is also useful as a tissue process control reagent.

## **Product Info**

Amount: 0.5 ml at 100µg/ml

Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various

**Content:** reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you

require this Ab in a different format.

**Storage condition:** Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood); Immunofluorescence (1:50-1:100);

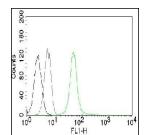


Fig. 1: Flow Cytometry of human Vimentin on Jurkat cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled Vimentin Monoclonal Antibody (VM452).